

What is claimed is:

1        1. A nozzle assembly of a dishwasher, comprising:  
2              a main nozzle having a first coupling hole;  
3              an auxiliary nozzle, having a second coupling hole, for coupling with said main  
4              nozzle;  
5              first interlocking means, having a first end, for coupling with said main nozzle at the  
6              first coupling hole, by being caught in the first coupling hole by the first end; and  
7              second interlocking means, having a first end, for coupling with said auxiliary nozzle  
8              at the second coupling hole, by being caught in the second coupling hole by the first end and  
9              by having a second end to be caught on said first interlocking means.

1        2. The nozzle assembly as claimed in claim 1, wherein said first and second  
2        interlocking means are each provided with a passage allowing water flow between said main  
3        and auxiliary nozzles.

1        3. The nozzle assembly as claimed in claim 1, wherein said first and second  
2        interlocking means are rotatably assembled with respect to each other.

1        4. The nozzle assembly as claimed in claim 3, wherein said first interlocking  
2        means rotates on said second interlocking means.

1        5. The nozzle assembly as claimed in claim 1, said first interlocking means  
2        comprising:

3           a first flange, formed on a second end, to abut on said main nozzle at the second  
4       coupling hole; and

5           a plurality of first protrusions, formed on the first end, to be caught in the first  
6       coupling hole when said first interlocking means is rotated by a first predetermined angle.

1           6.       The nozzle assembly as claimed in claim 5, said first interlocking means  
2       further comprising at least one stop formed between said first flange and said plurality of first  
3       protrusions, so that said first protrusions are prevented from rotating beyond a second  
4       predetermined angle when fitted into the first coupling hole.

1           7.       The nozzle assembly as claimed in claim 1, said second interlocking means  
2       comprising:

3           a plurality of second protrusions, formed on the first end, to be caught in the second  
4       coupling hole, to be caught in the second coupling hole when said second interlocking means  
5       is rotated by a first predetermined angle;

6           a second flange, formed on the second end, to be caught on said first interlocking  
7       means; and

8           a load-bearing shaft, formed between said second flange and said second protrusions,  
9       for rotatably receiving said first interlocking means.

1           8.       The nozzle assembly as claimed in claim 7, said second interlocking means  
2       further comprising a plurality of supports, formed at the second end, for providing a  
3       counteracting support with respect to an opposing inner wall of said main nozzle, to allow  
4       said second flange to be caught on the first end of said first interlocking means.

1           9.       The nozzle assembly as claimed in claim 7, said second interlocking means  
2 further comprising at least one stop formed between said load-bearing shaft and said second  
3 protrusions, so that said second protrusions are prevented from rotating beyond a second  
4 predetermined angle when fitted into the second coupling hole.